

# Certificate of Analysis

## Isopropyl Alcohol, 90% (v/v)

Lot Number: 4404N70

Product Number: R4211900

Manufacture Date: APR 26, 2024

Expiration Date: APR 2026

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS/USP
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification	Result
Appearance	Colorless liquid	Passed
Specific Gravity	88-92 % (v/v)	91 % (v/v)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
R4211900-1A	1 L natural poly	24 months
R4211900-20F	20 L Cubitainer®	24 months
R4211900-4A	4 L natural poly	24 months
R4211900-500A	500 mL natural poly	24 months

**Recommended Storage:** 15°C - 30°C (59°F - 86°F)

Paul Brandon (04/26/2024)

Production Manager

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